Mauromoustakos, A. 104, 279
Maxwell, C. 279
Maxwell, M. H. 182
May, S. A. 56
Mbugua, H. C. W. 182
Medina, J. A. 327
Mehta, J. R. 250
Merriam, J. 160
Michell, A. R. 292
Middleton, D. J. 66
Mineo, H. 157
Mitchell, E. S. 166
Mohammed, N. A. 370
Mohan Raj, A. B. 355, 360, 364
Montanari, A. 253
Mostofa, M. 323
Murakami, T. 127

Nakamura, K. 125
Nansen, P. 29
Narita, M. 125
Nash, A. S. 370
Negro, M. 275
Nicholson, A. I. 211
Nicolet, J. 8
Nosaka, D. 14, 127

O'Brien, J. J. 223
O'Loan, D. 114
Ohshima, K. 171
Okada, K. 171
Otsuka, H. 127
Oukessou, M. 190
Oyamada, T. 157

Palmer, D. G. 177
Pandey, G. S. 171
Patten, B. E. 261
Pemberton, A. D. 315
Perk, K. 367
Peters, T. J. 298
Piriz Duran, S. 245
Plackett, P. 46
Plassiart, G. 349
Poveda, J. B. 339

Ramadan, A. 34
Ramadass, P. 194
Rima, B. K. 114
Roberts, J. A. 289

Sangiah, S. 104
Sheldrake, R. F. 98
Sherban, D. G. 104
Sierra, M. A. 339
Sivanathan, S. 289
Smith, G. D. 298
Smith, I. K. M. 144
Smith, I. M. 8
Smyth, J. A. 114
Snow, D. H. 77
Spencer, T. L. 261
Spradbrow, P. B. 216
Spratt, D. J. 283
Standfast, N. F. 346
Stewart, N. P. 346
Sweeney, C. R. 88
Sykes, A. R. 132, 306

Tateyama, S. 14
Taylor, M. A. 198
Ter Laak, E. A. 117, 127
Terpstra, C. 236
Toivio-Kinnucan, M. 250
Thomas, J. B. 177
Toutain, P. L. 190

Uchida, K. 127

Vadilla Machota, S. 245
Valenza, F. 275
Valle Manzano, J. 245
Van Bekkum, J. G. 236
Van Maanen, C. 236
Von Fellenberg, R. 39

Wagenaars, C. M. F. 117
Ward, W. R. 25
Watson, E. D. 88
Whitehead, C. C. 253
Williams, M. R. 85
Winder, C. 39
Wood, P. R. 46
Wotton, S. B. 355
Wright, N. G. 370

Yamaguchi, R. 14, 127
Young, S. S. 229, 268
Youssef, S. A. H. 34

SUBJECT INDEX

^{59}Fe given orally as chloride, ethylene diamine tetra-acetate or nitrilotriacetate and in chicks given diets composed of conventional ingredients or semi-purified nutrients, Comparison of the retention in rats and mice of, 138

α-mannosidosis, Phenotype variation in bovine, 82
α-mannosidosis, Lectin histochemistry of the central nervous system in a case of feline, 375
Actinobacillus (*Haemophilus*) *pleuropneumoniae*, Use of monoclonal antibodies for classifying, 8
Actinobacillus pleuropneumoniae, Passive protection of piglets, by monoclonal antibodies against experimental infection with, 144
Allopurinol on endotoxin-induced increase in serum xanthine oxidase in the horse, Effects of, 104
Altitude, Ultrastructural abnormalities in seven-day-old broilers reared at high, 182
Aluminate on riboflavin metabolism in the breeding hen, Effects of dietary borate and, 253
Aminopyrine accumulation in dispersed bovine abomasal gland cells, Effect of *Ostertagia ostertagi* secretions and various putative secretagogues and inhibitors on, 323
Anaemia and changes in erythrocyte morphology associated with copper and selenium deficiencies and dietary restriction in rats, 151
Anaplasma centrale infections in splenectomised calves but not *B bigemina* infections, Concurrent infection with *Theileria buffeli* caused depression of parasitaemia in *Babesia bovis* and, 346
Anthelmintic resistance in nematodes of sheep, A larval development test for the detection of, 198
Argon-induced hypoxia, Investigation into the batch stunning/killing of chickens using carbon dioxide or, 346
Arthritis encephalitis, Presence of virus particles in neural cells of goats with caprine, 367
Assessment of respiratory diseases and therapeutic intervention by the forced oscillation technique in feedlot cattle, 319
ATP content, Effects of exercise and adrenalin on equine erythrocyte, 77
Autoagglutination and the specifity of the indirect fluorescent antibody test applied to the identification of *Taylorella equigenitalis* 117

Babesia bigemina infections, Concurrent infection with *Theileria buffeli* caused depression of parasitaemia in *Babesia bovis* and *Anaplasma centrale* infections in splenectomised calves but not, 346
Babesia bovis and *Anaplasma centrale* infections in splenectomised calves but not *B bigemina* infections, Concurrent infection with *Theileria buffeli* caused depression of parasitaemia in, 346
Benzylpenicillin kinetics in the ewe: influence of pregnancy and lactation, 190
Bile agar migration test: a novel method for testing the viability of *Dictyocaulus viviparus* larvae in lungworm vaccine, 220
Borate and aluminate on riboflavin metabolism in the breeding hen, Effects of dietary, 253
Bronchoalveolar lavage fluid, Immunoreactive prostaglandin production by equine monocytes and alveolar macrophages and concentrations of PGE_2 and PGF in, 88
Bronchopulmonary lavage cells by density gradient centrifugation and expression of procoagulant activity in unpurified cells and cell subpopulations, Separation of equine, 39
Brown ear tick, *Rhipicephalus appendiculatus*, does not affect serological responses to foot-and-mouth disease vaccine, Infestation of cattle by the, 113
Bubalus bubalis cows, *Toxocara vitulorum* in the milk of buffalo, 289
Buccal mucosa in ponies, Cardiorespiratory responses to electrical stimulation of the, 268
Buffalo (*Bubalus bubalis*) cows, *Toxocara vitulorum* in the milk of, 289
Buparvaquone and long-acting oxytetracycline, Chemoimmunoprophylaxis against bovine tropical theileriosis in young calves: a comparison between, 110

Calculi, Structure and composition of canine urinary, 327
Carbon dioxide anaesthesia on the time of onset of unconsciousness and convulsions, Effect of rate of induction of, 360
Carbon dioxide or agon-induced hypoxia, Investigation into the batch stunning/killing of chickens using, 364
Carbon dioxide stunning on somatosensory evoked potentials in hens, Effect of, 355
Cardiorespiratory responses to electrical stimulation of the buccal mucosa in ponies, 268
Cartilage breakdown in equine osteoarthritis: measurement of keratan sulphate by an ELISA system, 56
Cefotaxime in goats, Pharmacokinetic profile of, 34
Cell differentiation in intestinal adenomatosis of pigs studied by histochemistry of laminin and enzymes of epithelial and subepithelial tissue, 1
Cerebellar hypoplasia among calves in South Kyushu, Japan: a pathological study, An outbreak of congenital hydranencephaly and, 127

Characterisation of compounds isolated from the sera of horses with acute grass sickness, 315
Chemoimmunoprophylaxis against bovine tropical theileriosis in young calves: a comparison between buparvaquone and long-acting oxytetracycline, 110
Chloride, ethylene diamine tetra-acetate or nitrilotriacetate and in chicks given diets composed of conventional ingredients or semi-purified nutrients, Comparison of the retention in rats and mice of ^{59}Fe given orally as, 138
Cimetidine and ranitidine on basal gastric pH, free and total acid content in pigs, Effects of, 279
Columba livia, Preliminary studies on the use of propofol in the domestic pigeon, 334
Comparative cell kinetics of avian growth plates, 283
Comparison of the retention in rats and mice of ^{59}Fe given orally as chloride, ethylene diamine tetra-acetate or nitrilotriacetate and in chicks given diets composed of conventional ingredients or semi-purified nutrients, 138
Concurrent infection with *Theileria buffeli* caused depression of parasitaemia in *Babesia bovis* and *Anaplasma centrale* infections in splenectomised calves but not *B bigemina* infections, 346
Copper and selenium deficiencies and dietary restriction in rats, Anaemia and changes in erythrocyte morphology associated with, 151
Copper in the liver of fetal deer in the last month of gestation, Subcellular distribution of, 298
Copper oxide wire particle treatment on establishment of major gastrointestinal nematodes in lambs, Effect of, 132
Copper oxide wire particles, Effect of ostertagiasis on copper status in sheep: a study involving use of, 306
Cortisol during transport-induced stress and failure of oestradiol to induce a luteinising hormone surge in dairy cows, Relationship between an increase in plasma, 25
Crocodiles, Poxvirus infection in Nile, 171

D-α-tocopherol in sheep to graded dietary levels of dl-α-tocopheryl acetate, Response of plasma and tissue, 122
Dermatosis vegetans, A sequential light microscopic study of the pulmonary lesions in porcine, 50
Development of a simple, rapid in vitro cellular assay for bovine tuberculosis based on the production of γ interferon, 46
Diarrhoea in pigs, Effect of creep feeding on the incidence, duration and severity of post-weaning, 223
Diarrhoea, Intravenous solutions for fluid therapy in calf, 292
Dictyocaulus viviparus from cattle lungs by a combination of a perfusion and a Baermann technique, Recovery of different stages of, 373
Dictyocaulus viviparus larvae in lungworm vaccine, Bile agar migration test: a novel method for testing the viability of, 20
Distemper virus antigen as an aid in the diagnosis of canine distemper encephalomyelitis, Immunohistochemical demonstration of canine, 177
Distribution of *Taenia saginata* cysts in carcases of experimentally infected calves and its significance for routine meat inspection, 29
Dl-α-tocopheryl acetate, Response of plasma and tissue D-α-tocopherol in sheep to graded dietary levels of, 122
Dual infections of *Eimeria tenella* and *Escherichia coli* in chickens, 125

Echinococcus granulosus infections in dogs, Efficacy of epsiprantel against, 378
Effect of carbon dioxide stunning on somatosensory evoked potentials in hens, 355
Effect of copper oxide wire particle treatment on establishment of major gastrointestinal nematodes in lambs, 132
Effect of creep feeding on the incidence, duration and severity of post-weaning diarrhoea in pigs, 223
Effect of feeding on plasma secretin concentrations in sheep, 157
Effect of including lasalocid or monensin singly or in combination with furazolidone on the growth and feed consumption of turkey poults, 256
Effect of meclofenamic acid on the response of parasite-naive lambs and adult sheep to *Ostertagia circumcincta*, 166
Effect of *Ostertagia ostertagi* secretions and various putative secretagogues and inhibitors on aminopyrine accumulation in dispersed bovine abomasal gland cells, 323
Effect of ostertagiasis on copper status in sheep: a study involving use of copper oxide wire particles, 306
Effect of rate of induction of carbon dioxide anaesthesia on the time of onset of unconsciousness and convulsions, 360
Effects of allopurinol on endotoxin-induced increase in serum xanthine oxidase in the horse, 104
Effects of cimetidine and ranitidine on basal gastric pH, free and total acid content in pigs, 279
Effects of dietary borate and aluminate on riboflavin metabolism in the breeding hen, 253
Effects of exercise and adrenalin on equine erythrocyte ATP content, 77
Effects of lysostaphin on *Staphylococcus aureus* of the mouse mammary gland, 120
Efficacy of epsiprantel against *Echinococcus granulosus* infections in dogs, 378
Eimeria tenella and *Escherichia coli* in chickens, Dual infections of, 125
Ejaculate, An investigation into the first fraction of the canine, 66
Elemental composition, water, and total lipid content in peripheral nerves, spinal cord and brain of healthy adult dogs, 250
Encephalomyelitis, Immunohistochemical demonstration of canine distemper virus antigen as an aid in the diagnosis of canine distemper, 177
Endurance of immunity against foot-and-mouth disease in cattle after three consecutive annual vaccinations, 236
Epithelial cells, Plate and collagen-gel cultures of normal canine mammary, 14
Epithelium lining of the rostral portion of the porcine nasal mucosa, 61
Epsiprantel against *Echinococcus granulosus* infections in dogs, Efficacy of, 378
Erythrocyte morphology associated with copper and selenium deficiencies and dietary restriction in rats, Anaemia and changes in, 151

Escherichia coli in chickens, Dual infections of *Eimeria tenella* and, 125
Escherichia coli, Toxic effects for lambs of cytotoxic necrotising factor from, 349
Ethylene diamine tetra-acetate or nitrilotriacetate and in chicks given diets composed of conventional ingredients or semi-purified nutrients, Comparison of the retention in rats and mice of ^{59}Fe given orally as chloride, 138
Experimental immune complex glomerulonephritis and the nephrotic syndrome in cats immunised with cationised bovine serum, 370

Fatty liver and kidney syndrome, Inclusion of low metabolisable energy wheat in broiler diets and the incidence of the, 243
Field trials of a food-based vaccine to protect village chickens against Newcastle disease, 216
Foot-and-mouth disease in cattle after three consecutive annual vaccinations, Endurance of immunity against, 236
Foot-and-mouth disease vaccine, Infestation of cattle by the brown ear tick, *Rhipicephalus appendiculatus*, does not affect serological responses to foot-and-mouth disease vaccine, 113
Forced oscillating airflow technique to measure the resistance of the equine upper airway: effects of laryngoventriculectomy and laryngoplasty, Use of the, 229
Forced oscillation technique in feedlot cattle, Assessment of respiratory diseases and therapeutic intervention by the, 319
Furazolidone on the growth and feed consumption of turkey poults, Effect of including lasalocid or monensin singly or in combination with, 256

Gentamicin between species in relation to bodyweight and taxonomy, Variation in plasma halflife of, 160
Glomerulonephritis and the nephrotic syndrome in cats immunised with cationised bovine serum, Experimental immune complex, 370
Glycoconjugate expression in normal hepatoid glands and hepatoid gland adenomas and carcinomas in dogs, 275
Grass sickness, Characterisation of compounds isolated from the sera of horses with acute, 315
Growth plates, Comparative cell kinetics of avian, 283

Haemorrhagic septicaemia using an enzyme-linked immunosorbent assay, Rapid identification of *Pasteurella multocida* organisms responsible for, 261
Harderian gland in immunoglobulin A production in chicken lacrimal fluid, Role of the, 20
Hepatoid glands and hepatoid gland adenomas and carcinomas in dogs, Glycoconjugate expression in normal, 275
Humoral immune responses in seals infected by porcine distemper virus, 114
Hydranencephaly and cerebellar hypoplasia among calves in South Kyushu, Japan: a pathological study, An outbreak of congenital, 127

IgA immune responses in the respiratory tract of pigs, 98
Immunoglobulin A production in chicken lacrimal fluid, Role of the Harderian gland in, 20
Immunohistochemical demonstration of canine distemper virus antigen as an aid in the diagnosis of canine distemper encephalomyelitis, 177
Immunohistochemical demonstration of *Mycoplasma gallinarum* and *Mycoplasma gallinaceum* in naturally infected hen oviducts, 339
Immunoreactive prostaglandin production by equine monocytes and alveolar macrophages and concentrations of PGE_2 and PGF in bronchoalveolar lavage fluid, 88
Inclusion of low metabolisable energy wheat in broiler diets and the incidence of the fatty liver and kidney syndrome, 243
Infestation of cattle by the brown ear tick, *Rhipicephalus appendiculatus*, does not affect serological responses to foot-and-mouth disease vaccine, 113
Intestinal adenomatosis of pigs studied by histochemistry of laminin and enzymes of epithelial and subepithelial tissue, Cell differentiation in, 1
Intravenous solutions for fluid therapy in calf diarrhoea, 292
Investigation into the batch stunning/killing of chickens using carbon dioxide or argon-induced hypoxia, 364
Investigation into the first fraction of the canine ejaculate, 66
Isolation and identification of anaerobic bacteria from ovine foot rot in Spain, 245

Keratan sulphate by an ELISA system, Cartilage breakdown in equine osteoarthritis: measurement of, 56

Lacrimal fluid, Role of the Harderian gland in immunoglobulin A production in chicken, 20
Lactation, Benzylpenicillin kinetics in the ewe: influence of pregnancy and, 190
Laminin and enzymes of epithelial and subepithelial tissue, Cell differentiation in intestinal adenomatosis in pigs studied by histochemistry of, 1
Larval development test for the detection of anthelmintic resistance in nematodes of sheep, 198
Laryngoplasty, Use of the forced oscillating airflow technique to measure the resistance of the equine upper airway: effects of laryngoventriculectomy and, 229
Laryngoventriculectomy and laryngoplasty, Use of the forced oscillating airflow technique to measure the resistance of the equine upper airway: effects of, 229
Lasalocid or monensin singly or in combination with furazolidone on the growth and feed consumption of turkey poults, Effect of including, 256
Lectin histochemistry of the central nervous system in a case of feline α-mannosidosis, 375
Leptospira interrogans serovar *hardjo* strain Hardjobovis from strain Hardjoprajitno by DNA slot blot hybridisation, Species differentiation of, 194
Liver of fetal deer in the last month of gestation, Subcellular distribution of copper in the, 298
Lysostaphin on *Staphylococcus aureus* of the mouse mammary gland, Effects of, 120

Mastitis, A new type of macrolide resistance in staphylococci from bovine clinical, 248
Meclofenamic acid on the response of parasite-naive lambs and adult sheep to *Ostertagia circumcincta*, Effect of, 166

Monensin singly or in combination with furazolidone on the growth and feed consumption of turkey poults, Effect of including lasalocid or, 256
Mycoplasma gallinaceum in naturally infected hen oviducts, Immunohistochemical demonstration of *Mycoplasma gallinarum* and, 339
Mycoplasma gallinarum and *Mycoplasma gallinaceum* in naturally infected hen oviducts, Immunohistochemical demonstration of, 339

Nasal mucosa, Epithelium lining of the rostral portion of the porcine, 61
Nematodes in lambs, Effect of copper oxide wire particle treatment on establishment of major gastrointestinal, 132
New type of macrolide resistance in staphylococci from bovine clinical mastitis, 248
Newcastle disease, Field trials of a food-based vaccine to protect village chickens against, 216
Nitrilotriacetate and in chicks given diets composed of conventional ingredients or semi-purified nutrients, Comparison of the retention in rats and mice of ^{59}Fe given orally as chloride, ethylene diamine tetra-acetate or, 138

Oestradiol to induce a luteinising hormone surge in dairy cows, Relationship between an increase in plasma cortisol during transport induced stress and failure of, 25
Osteoarthritis: measurement of keratan sulphate by an ELISA system, Cartilage breakdown in equine, 56
Ostertagia circumcincta, Effect of meclofenamic acid on the response of parasite-naive lambs and adult sheep to, 166
Ostertagia ostertagi secretions and various putative secretagogues and inhibitors on aminopyrine accumulation in dispersed bovine abomasal gland cells, Effect of, 323
Outbreak of congenital hydranencephaly and cerebellar hypoplasia among calves in South Kyushu, Japan: a pathological study, 127
Ovine foot rot in Spain, Isolation and identification of anaerobic bacteria from, 245
Oxytetracycline, Chemoimmunoprophylaxis against bovine tropical theileriosis in young calves: a comparison between buparvaquone and long-acting, 110

Pacemaker leads in the dog: an experimental study, Transvenous, 211
Passive protection of piglets by monoclonal antibodies against experimental infection with *Actinobacillus pleuropneumoniae*, 144
Pasteurella multocida organisms responsible for haemorrhagic septicaemia using an enzyme-linked immunosorbent assay, Rapid identification of, 261
Peripheral blood mononuclear cell subsets during *Trichinella spiralis* infection in pigs, 92
Pharmacokinetic profile of cefotaxime in goats, 34
Phenotype variation in bovine α-mannosidosis, 82
Phocine distemper virus, Humoral immune responses in seals infected by, 114
Pigeon (*Columba livia*), Preliminary studies on the use of propofol in the domestic, 334
Plate and collagen-gel cultures of normal canine mammary epithelial cells, 14
Pneumonia of the pig by norfloxacin or its 6-chloro analogue, Treatment of experimental enzootic, 203
Poxvirus infection in Nile crocodiles, 171
Pregnancy and lactation, Benzylpenicillin kinetics in the ewe: influence of, 190
Preliminary studies on the use of propofol in the domestic pigeon (*Columba livia*), 334
Presence of virus particles in neural cells of goats with caprine arthritis encephalitis, 367
Procoagulant activity in unpurified cells and cell subpopulations, Separation of equine bronchopulmonary lavage cells by density gradient centrifugation and expression of, 39
Propofol in the domestic pigeon (*Columba livia*), Preliminary studies on the use of, 334
Prostaglandin production by equine monocytes and alveolar macrophages and concentrations of PGE_2 and PGF in bronchoalveolar lavage fluid, Immunoreactive, 88
Pulmonary lesions in porcine dermatosis vegetans, A sequential light microscopic study of the, 50

Ranitidine on basal gastric pH, free and total acid content in pigs, Effects of cimetidine and, 279
Rapid identification of *Pasteurella multocida* organisms responsible for haemorrhagic septicaemia using an enzyme-linked immunosorbent assay, 261
Recovery of different stages of *Dictyocaulus viviparus* from cattle lungs by a combination of a perfusion and a Baermann technique, 373
Relationship between an increase in plasma cortisol during transport-induced stress and failure of oestradiol to induce a luteinising hormone surge in dairy cows, 25
Respiratory tract of pigs, IgA immune responses in the, 98
Response of plasma and tissue D-α-tocopherol in sheep to graded dietary levels of dl-α-tocopheryl acetate, 122
Rhipicephalus appendiculatus, does not affect serological responses to foot-and-mouth disease vaccine, Infestation of cattle by the brown ear tick, 113
Riboflavin metabolism in the breeding hen, Effects of dietary borate and aluminate on, 253
Role of the Harderian gland in immunoglobulin A production in chicken lacrimal fluid, 20

Seals infected by phocine distemper virus, Humoral immune responses in, 114
Secretin concentrations in sheep, Effect of feeding on plasma, 157
Selenium deficiencies and dietary restriction in rats, Anaemia and changes in erythrocyte morphology associated with copper and, 151
Separation of equine bronchopulmonary lavage cells by density gradient centrifugation and expression of procoagulant activity in unpurified cells and cell subpopulations, 39
Sequential light microscopic study of the pulmonary lesions in porcine dermatosis vegetans, 50
Species differentiation of *Leptospira interrogans* serovar *hardjo* strain Hardjobovis from strain Hardjoprajitno by DNA slot blot hybridisation, 194
Spinal cord and brain of healthy adult dogs, Elemental com-

position, water, and total lipid content in peripheral, 250
Staphylococcus aureus of the mouse mammary gland, Effects of lysostaphin on, 120
Streptococcus uberis, of differing ability to cause clinical mastitis, differ in their ability to resist some host defence factors, Two strains of, 85
Structure and composition of canine urinary calculi, 327
Subcellular distribution of copper in the liver of fetal deer in the last month of gestation, 298
Subclinical characteristics of the wasting pig syndrome, 82

Taenia saginata cysts in carcases of experimentally infected calves and its significance for routine meat inspection, Distribution of, 29
Taylorella equigenitalis, Autoagglutination and the specifity of the indirect fluorescent antibody test applied to the identification of, 117
Theileria buffeli caused depression of parasitaemia in *Babesia bovis* and *Anaplasma centrale* infections in splenectomised calves but not *B bigemina* infections, Concurrent infection with, 346
Theileriosis in young calves: a comparison between buparvaquone and long-acting oxytetracycline, Chemoimmunoprophylaxis against bovine tropical, 110
Toxic effects for lambs of cytotoxic necrotising factor from *Escherichia coli*, 349
Toxocara vitulorum in the milk of buffalo (*Bubalus bubalis*) cows, 289
Transvenous pacemaker leads in the dog: an experimental study, 211
Treatment of experimental enzootic pneumonia of the pig by norfloxacin or its 6-chloro analogue, 203
Trichinella spiralis infection in pigs, Peripheral blood mononuclear cell subsets during, 92
Tuberculosis based on the production of γ interferon, Development of a simple, rapid in vitro cellular assay for bovine, 46
Two strains of *Streptococcus uberis*, of differing ability to cause clinical mastitis, differ in their ability to resist some host defence factors, 85

Ultrastructural abnormalities in seven-day-old broilers reared at high altitude, 182
Use of monoclonal antibodies for classifying *Actinobacillus* (*Haemophilus*) *pleuropneumoniae*, 8
Use of the forced oscillating airflow technique to measure the resistance of the equine upper airway: effects of laryngoventriculectomy and laryngoplasty, 229

Variation in plasma halflife of gentamicin between species in relation to bodyweight and taxonomy, 160

Wasting pig syndrome, Subclinical characteristics of the, 82

Xanthine oxidase in the horse, Effects of allopurinol on endotoxin-induced increase in serum, 104